

AMENDMENTS TO THE CLAIMS

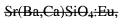
Please amend the present application as follows:

Claims

1. (Currently amended) A light generating device comprising:
 - a blue light emitting device that emits blue light with peak wavelength within a range from 460 nanometers (nm) to 480 nm; and,
 - an epoxy placed over the light emitting device, the epoxy including:
 - a first type of phosphor; and
 - a second type of phosphor;
 - wherein the first type of phosphor, when excited, emits red light; and,
 - wherein the second type of phosphor is Sr(Ba,Ca)SiO₄:Eu, which when excited, emits yellow light.
- 2 - 3. (Canceled)
4. (Original) A light generating device as in claim 1 additionally comprises one of the following:
 - a mold compound covering the epoxy;
 - an optical dome covering the epoxy.
5. (Canceled)
6. (Currently amended) A light generating device as in claim 1:
 - wherein the first type of phosphor is a red phosphor having one of the following chemical formulas:
 - CaS:Eu²⁺,Mn²⁺,
 - SrS:Eu³⁺,
 - (Zn,Cd)S:Ag⁺,
 - Mg₄GeO_{5.5}F:Mn⁴⁺,
 - ZnS: Cu⁺,
 - ZnSe:Cu, Cl,
 - ZnSe_{1/2}S_{1/2}:Cu,Cl, and



wherein the second type of phosphor is a yellow phosphor having one of the following chemical formulas:



7. (Original) A light generating device as in claim 1 additionally comprising:
 - a second light emitting device; and,
 - a second epoxy placed over the second light emitting device, the second epoxy including:
 - the first type of phosphor, and
 - the second type of phosphor.
8. (Original) A light generating device as in claim 1 additionally comprising:
 - a second light emitting device;
 - a second epoxy placed over the second light emitting device, the second epoxy including:
 - the first type of phosphor, and
 - the second type of phosphor;
 - a third light emitting device; and,
 - a third epoxy placed over the third light emitting device, the third epoxy including:
 - the first type of phosphor, and
 - the second type of phosphor.
9. (Original) A light generating device as in claim 1, wherein the light emitting device is mounted on one of the following:
 - a printed circuit board;
 - a lead frame.
10. (Original) A light generating device as in claim 1, wherein the light emitting device is mounted within a printed circuit board substrate.

11 - 13. (Canceled)

14. (Currently amended) A light generating device comprising:

emitting means for emitting blue light with peak wavelength within a range from 460 nanometers (nm) to 480 nm; and,

holding means for holding a first type of phosphor and a second type of phosphor adjacent to the emitting means;

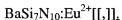
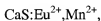
wherein the first type of phosphor, when excited, emits red light; and,

wherein the second type of phosphor is Sr(Ba,Ca)SiO₄:Eu, which when excited, emits yellow light.

15 -17. (Canceled)

18. (Currently amended) A light generating device as in claim 14 46:

wherein the first type of phosphor is a red phosphor having one of the following chemical formulas:



wherein the second type of phosphor is a yellow phosphor having one of the following chemical formulas:



19. (Original) A light generating device as in claim 14, wherein the emitting means is mounted on one of the following:

a printed circuit board;
a lead frame.

20. (Original) A light generating device as in claim 14, wherein the emitting means is mounted within a printed circuit board substrate.

21. (New) A light generating device comprising:

a blue light emitting device that emits blue light with peak wavelength within a range from 460 nanometers (nm) to 480 nm; and,

an epoxy placed over the light emitting device, the epoxy including:

a first type of phosphor; and

a second type of phosphor;

wherein the first type of phosphor, when excited, emits green light; and,

wherein the second type of phosphor, when excited, emits yellow light.

22. (New) The light generating device of claim 21, wherein the first type of phosphor is $\text{SrGa}_2\text{S}_4:\text{Eu}$.

23. (New) The light generating device of claim 22, wherein the first type of phosphor comprises spherical phosphor particles having a mean particle size ranging from about 1 μm to about 30 μm .

24. (New) The light generating device of claim 21, wherein the first type of phosphor comprises $\text{BaGa}_4\text{S}_7:\text{Eu}$.

25. (New) The light generating device of claim 21, wherein the first type of phosphor is $(\text{Sr,Ca,Ba})(\text{Al,Ga})_2\text{S}_4:\text{Eu}$; $\text{BaGa}_4\text{S}_7:\text{Eu}$.